



1999 Toxics Release Inventory

DELAWARE

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	4,715,296	3,601,022	8,316,318
Air Emissions	3,250,938	3,404,940	6,655,878
Surface Water Discharges	1,186,039	11,822	1,197,861
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	0	0	0
Other On-site Land Releases	278,319	184,260	462,579
Off-site Releases (Transfers Off-site to Disposal)*	2,992,884	71,152	3,064,036
Total On- and Off-site Releases	7,708,180	3,672,174	11,380,354
Recycled On-site	32,571,856	0	32,571,856
Recycled Off-site	9,345,837	0	9,345,837
Energy Recovery On-site	22,981,591	0	22,981,591
Energy Recovery Off-site	1,420,826	0	1,420,826
Treated On-site	69,149,944	351,207	69,501,151
Treated Off-site**	3,882,099	0	3,882,099
Quantity Released On- and Off-site***	7,673,600	3,672,174	11,345,774
Total Production-related Waste Managed	147,025,753	4,023,381	151,049,134
Total Non-production-related Waste Managed	22,528	4	22,532

Transfers Off-site for Further Waste Management/Disposal

Recycling	9,048,521	0	9,048,521
Energy Recovery	1,362,314	0	1,362,314
Treatment	1,142,228	0	1,142,228
Publicly Owned Treatment Works (POTWs)	2,996,627	26	2,996,653
Metals and Metal Compounds*	11,270	26	11,296
Non-metal TRI Chemicals**	2,985,357	0	2,985,357
Other Off-site Transfers****	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	2,986,140	71,126	3,057,266
Total Transfers Off-site for Further Waste Management/Disposal	17,535,830	71,152	17,606,982

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

State Contact:

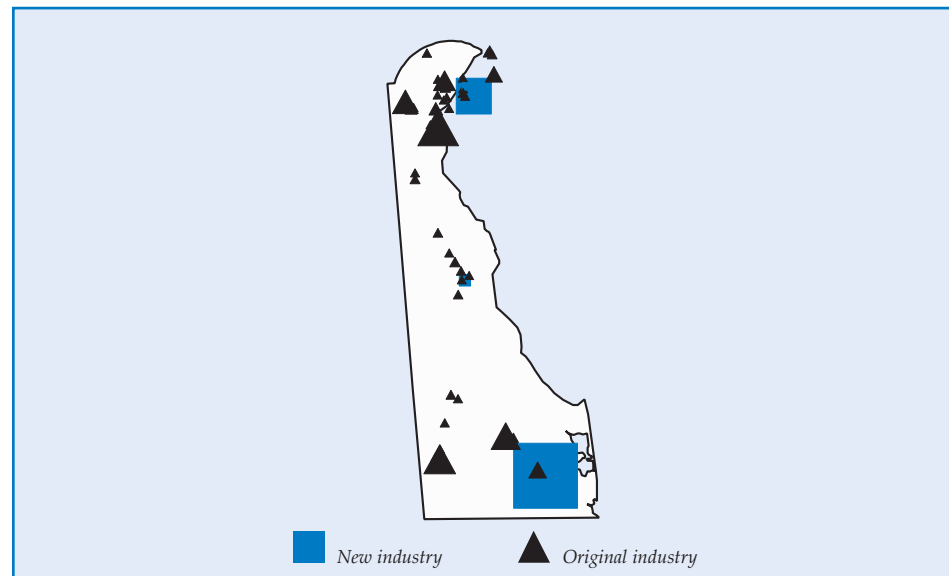
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To obtain TRI data use assistance, call TRI User Support Service (TRI-US):

(202) 260-1531
Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Delaware. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	753,538
Square Miles	1,955
Total Facilities	72
Total Forms	313
Form As	64

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	39	44	45
Pounds	7,708,180	3,672,174	11,380,354
National Rank for Total On-site Releases**			
Rank	42	44	45
Pounds	4,715,296	3,601,022	8,316,318
National Rank for Total Releases within State***			
Rank	38	45	44
Pounds	7,704,918	3,607,771	11,312,689
National Rank for Production-related Waste Managed			
Rank	31	45	36
Pounds	147,025,753	4,023,381	151,049,134

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-Site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
--	Manganese compounds	733	34,734	0	8,719	2,567,650	2,611,836	1,170	2,567,650	0
--	Nitrate compounds	0	1,113,521	0	106	0	1,113,627	0	0	0
7664-93-9	Sulfuric acid	511,897	0	0	0	0	511,897	0	0	0
--	Glycol ethers	353,397	0	0	0	1	353,398	1,300	1	0
110-54-3	n-Hexane	289,105	0	0	0	0	289,105	0	0	0
1330-20-7	Xylene (mixed isomers)	285,135	8	0	0	0	285,143	0	0	0
--	Nickel compounds	2,727	1,555	0	249,025	26,242	279,549	319	25,562	680
7647-01-0	Hydrochloric acid	252,591	0	0	0	0	252,591	0	0	0
463-58-1	Carbonyl sulfide	230,000	0	0	0	0	230,000	0	0	0
--	Chromium compounds	3,088	101	0	1,781	197,408	202,378	250	188,714	8,694

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-Site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	2,851,069	0	0	0	0	2,851,069	0	0	0
7664-93-9	Sulfuric acid	365,606	0	0	0	0	365,606	0	0	0
7664-39-3	Hydrogen fluoride	154,829	0	0	0	0	154,829	0	0	0
--	Barium compounds	6,041	2,807	0	73,429	58,061	140,338	0	56	58,005
--	Nickel compounds	18,145	458	0	24,313	12,349	55,265	5	661	11,688
--	Zinc compounds	1,338	7,591	0	30,619	85	39,633	5	15	70
--	Chromium compounds	2,651	902	0	31,511	308	35,372	5	221	87
--	Manganese compounds	2,766	62	0	24,388	349	27,565	5	276	73
108-88-3	Toluene	1,270	0	0	0	0	1,270	1,250	0	0
1634-04-4	Methyl tert-butyl ether	1,039	0	0	0	0	1,039	1,250	0	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



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On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Motiva, Delaware City, New Castle	735,508	21,934	0	0	0	263,221	1,020,663	0	707
Du Pont Seaford Plant, Seaford, Sussex	274,050	460,200	0	0	0	240	734,490	0	0
Georgetown Processing Plant Facility #17, Georgetown, Sussex	0	652,911	0	0	0	106	653,017	0	0
DaimlerChrysler Co. Newark Assembly Plant, Newark, New Castle	542,190	0	0	0	0	0	542,190	11,451	19
GMC Nao Wilmington Assembly Plant, Wilmington, New Castle	412,206	0	0	0	0	0	412,206	200	0
Townsend, Inc., Millsboro, Sussex	264,555	0	0	0	0	13,995	278,550	0	0
Du Pont Edge Moor, Edgemoor, New Castle	227,508	36,108	0	0	0	0	263,616	2,930,629	0
Formosa Plastics Corp., Delaware City, New Castle	151,895	0	0	0	0	0	151,895	0	0
Metachem Prods. L.L.C., New Castle, New Castle	105,924	235	0	0	0	0	106,159	0	0
Rodel Inc., Newark, New Castle	95,284	0	0	0	0	0	95,284	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Indian River Power Plant, Millsboro, Sussex	2,099,657	9,008	0	0	0	184,260	2,292,925	569	456
Edge Moor/Hay Road Power Plants, Wilmington, New Castle	1,128,704	2,808	0	0	0	0	1,131,512	660	69,467
NRG Energy Center Dover, Dover, Kent	170,304	0	0	0	0	0	170,304	0	0
American Minerals Inc., New Castle, New Castle	3,820	6	0	0	0	0	3,826	0	0
Sico #360 Wilmington Terminal, Wilmington, New Castle	2,455	0	0	0	0	0	2,455	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Du Pont Edge Moor, Edgemoor, New Castle	0	0	0	0	36,895,000	800	3,194,245	40,090,045	0
Motiva, Delaware City, New Castle	0	100,740	20,704,099	546	19,528,280	345	1,014,207	41,348,217	0
Du Pont Seaford Plant, Seaford, Sussex	0	0	0	0	636,000	3,019	734,490	1,373,509	0
Georgetown Processing Plant Facility #17, Georgetown, Sussex	0	0	0	0	0	0	653,017	653,017	0
DaimlerChrysler Co. Newark Assembly Plant, Newark, New Castle	0	397,187	0	4,937	72,320	223,911	551,309	1,249,664	0
GMC Nao Wilmington Assembly Plant, Wilmington, New Castle	0	265,000	0	0	77,510	27,505	409,608	779,623	0
Townsend, Inc., Millsboro, Sussex	0	0	0	0	0	0	264,555	264,555	1
Formosa Plastics Corp., Delaware City, New Castle	0	0	0	0	447,818	0	144,638	592,456	7,257
Metachem Prods. L.L.C., New Castle, New Castle	208,084	0	0	0	2,363,580	349,718	99,874	3,021,256	12,390
Rodel Inc., Newark, New Castle	4,904,628	0	0	193,063	425,204	354,940	94,979	5,972,814	289

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Indian River Power Plant, Millsboro, Sussex	0	0	0	0	286,807	0	2,293,950	2,580,757	0
Edge Moor/Hay Road Power Plants, Wilmington, New Castle	0	0	0	0	64,400	0	1,201,639	1,266,039	0
NRG Energy Center Dover, Dover, Kent	0	0	0	0	0	0	170,304	170,304	0
American Minerals Inc., New Castle, New Castle	0	0	0	0	0	0	3,826	3,826	4
Sico #360 Wilmington Terminal, Wilmington, New Castle	0	0	0	0	0	0	2,455	2,455	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.